IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Denis Heliot et al.	) Docket: 19.0349
Serial No.: 10/708,012	) Confirmation No.: 2011
Filing Date: 02/02/2004	)
For: SYSTEM AND METHOD FOR ANALYZING A THIN BED FORMATION	) Examiner: Unknown

CERTIFICATE OF MAILING

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Kerry Morris — 5/20/04

Kerry Morris — Date

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Commissioner for Patents
P.O. Box 1450
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AMENDMENT

Dear Sir:

Applicants respectfully request the Examiner to amend the application as follows:

In the Abstract:

Please replace the abstract with the following replacement abstract:

One or more high resolution logs of a formation property having thin beds is provided for the laminated formation. From this log, the bed boundaries are detected and the facies for each of the beds detected is identified, using one or more high resolution logs of the laminated formation. Each of the identified facies is then defined. One or more squared logs for formation property is then generated by using the imported volumetric descriptions of the facies to generate a value of the formation property for each of the beds. A reconstructed log is generated and compared with a low resolution log of the formation property for laminated formation. By adjusting the values of the squared log the difference between the reconstructed log and the squared log may be minimized. An optimized squared log is output as having the square log and the volumetric analyses thereon.